

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

Spencer Lord, ADA

Suffolk County District Attorney's Office
By e-mail

December 21, 2011

Re: Comm. v. [REDACTED] State Lab no. [REDACTED]

ADA Lord,

Please find below a discovery package for the case noted above. The material is collated in the following manner:

- 1) the c.v.'s of the chemists
- 2) the Evidence Office receipt to the Boston Police
- 3) the inventory control card
- 4) the Drug Powder Analysis Form
- 5) the gas chromatography/mass spectrometry (gc/ms) data

I was the custodial chemist responsible for the chain of custody, weights and the preliminary analysis of the exhibit. Annie Khan operated the gc/ms for the confirmatory analysis.

If you need further clarification of this material, call me directly at (617) 983-6627.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Lawler".

Michael Lawler
Senior Chemist

Cc: Annie Khan

Curriculum Vitae

Michael Lawler

Education:

University of Virginia, Charlottesville, Va. Bachelor of Arts in English, 1975

Harvard University, Cambridge, Ma. Master of Arts in biology, 1995

Experience:

1990-present currently Chemist III, Mass. Dept. of Public Health, Drug Lab analyst determining the identity of unknown substances and providing expert testimony in the Courts. Conduct special testing for poisons within drug exhibits. Lab Safety Officer.

2005-2008 lecturer in chemistry, Curry College, Milton, Ma.

1988-1990 New England Newborn Screening (NENS) Biochemist conducting pilot studies and validation trials of new newborn screening tests. Investigator and co-author of papers noted below. Introduced screening test for Biotinidase Deficiency. Liaison with interstate collaborators in national studies.

1983-1988 Supervised NENS urine screening lab for metabolic disorders. Conducted research in collaboration with Children's Hospital (Boston) detecting neuroblastoma, a cancer of early childhood. Conducted reference testing for rare metabolic disorders for an international audience.

1982-1983 NENS hypothyroid assay technologist with Tuft's University

1979-1981 Mass. Bay Community College, staff technologist preparing materials for the laboratory technician program, which included reagents, apparatus and maintaining stock cultures of human pathogens.

Additional education and special training

Drug Analysis, completed six week training course by senior staff within the Department of Public Health Drug Analysis Laboratory

National Laboratory Network Training Program course as Expert Witness

Qualified as an expert witness in the Massachusetts Courts and the U.S. District Court

Current Drug Trends – Multijurisdictional Drug Task Force Academy

CDC course in antibiotic resistance CDC course in cell culture

CDC course in public health response to bioterrorism

U.S. Army course in biologic warfare and terrorism

Journal Publications

Screening, 1992, 1:34-37; Lawler,M., Frederick,S., Rodriguez-Anza, S., Wolf,B., Levy,H., *Newborn Screening for Biotinidase Deficiency, Pilot Study and Follow-up of Identified Cases*

Genetic Screening, 1990, 11-18, Mitchell,M., Lawler,M., Walraven,C., Hermos,R., *To Screen or Not to Screen for Congenital Hyperplasia: Is that the Question?*

The Journal of Pediatrics, 116: 78-83, Secor-McVoy,J., Lawler,M., Schmidt, M., Ebers,D., Hart,P., Pettit,D., Blitzer,M., Wolf,B., *Partial Biotinidase Deficiency: Clinical and Biochemical Features*

Professional Affiliations

Northeastern Association of Forensic Scientists (NEAFS) since 2005

Awards

Theobald Smith Education Grant for graduate studies

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

- *Maintenance and repairs of all analytical instruments.

- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

- *Responsible for the Quality Control/Quality Assurance program for the drug lab.

- *Notary Public.

- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

- *Writing, revising and reviewing Standard Operating Procedures (SOPs).

- *Trained and supervised new chemists and interns for the department.

- *Routine QC testing of products for the FDA.

- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.

- *Complete testing of chemicals for Vendor Validation Project for the FDA.

- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)



DRUG RECEIPT

CC #

BOOK #

63

PAGE #

165

DESTRUCTION #

District/Unit

A-1 / DCU

Name & Rank of Arresting Officer

S/O Wm DWAN

ID#

10060

DEFENDANT'S NAME

ADDRESS

CITY

STATE

Rox.

MA.

CHSN

MA

LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITY

GROSS
WEIGHT

ANALYSIS
NUMBER

CRACK COCAINE

2 p/B's

1.78g

To be completed by ECU personnel only

Name and Rank of Submitting Officer

Sgt. V White

ID#

11064

Received by

ECU

Date

12-31-10

ECU Control #

No. [REDACTED]

Date Analyzed: 01-11-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 12/31/2010

No. Analyzed: 1

Gross Wt.: 1.78 ✓

Net Weight: 0.13

Tests: 9/10

Prelim:

cocaine (K)

Findings:

• 2 ASD

cocaine

GCMSD
FOI 10115

1-11-11

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

mk

No. of samples tested: 1

Shahheed State

Evidence Wt.

1.78

PHYSICAL DESCRIPTION:

2 pb corners with sn3

Gross Wt (): 0.3126

0.3126

Gross Wt ():

Pkg. Wt:

Net Wt: 0.1316

0.1316

OHAUS 2334 1-6-11

20g = 19.9998g

10g = 9.9998g

5g = 5.0000g

1g = 1.0000g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+)
 Marquis (+)
 Froehde's (+)
 Mecke's (+)

Microcrystalline Tests

Gold Chloride (+)
 TLTA (+) (+)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

DATE

GC/MS CONFIRMATORY TEST

RESULTS cocaine

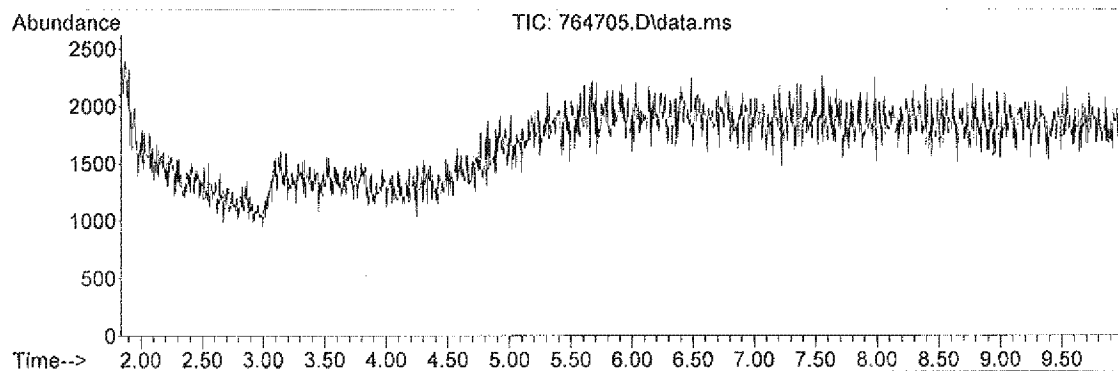
MS OPERATOR ASD

DATE 1-11-11

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01_10_11\764705.D
Operator : ASD/DJR
Date Acquired : 10 Jan 2011 10:32
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

✓ ASD
12-21-11

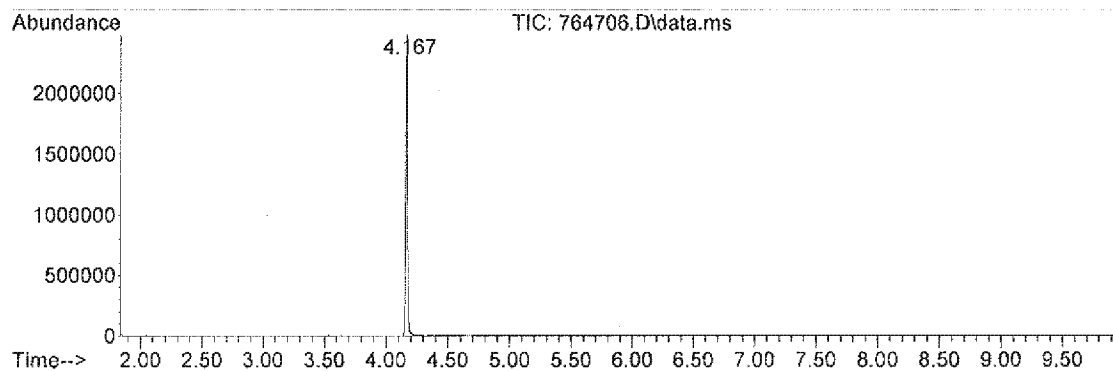


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01_10_11\764706.D
Operator : ASD/DJR
Date Acquired : 10 Jan 2011 10:45
Sample Name : COCAINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.167	2412174	100.00	100.00

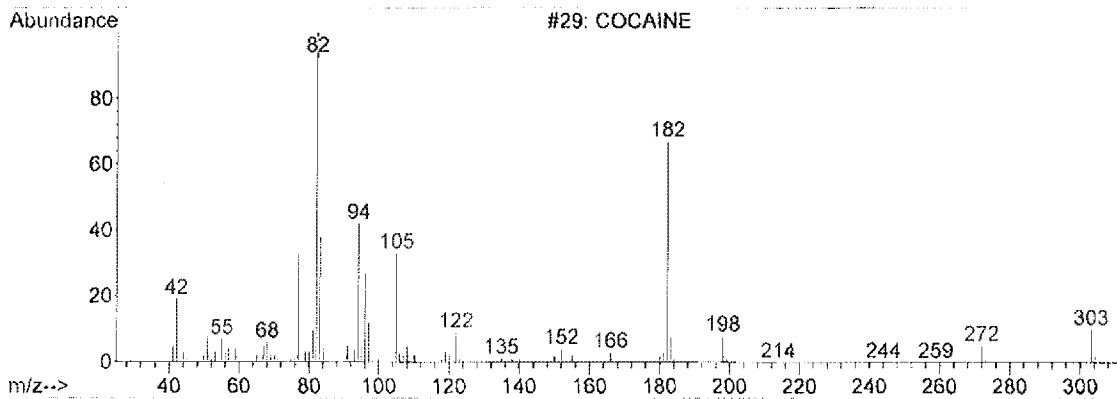
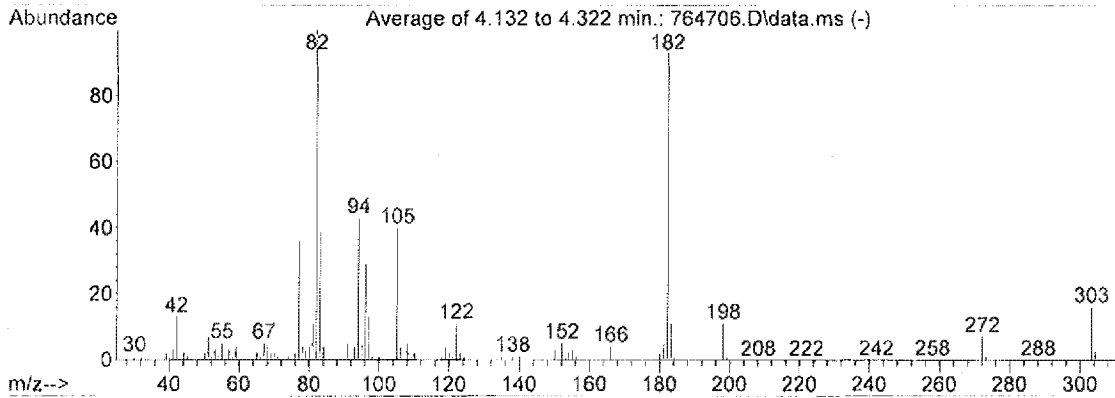
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01_10_11\764706.D
 Operator : ASD/DJR
 Date Acquired : 10 Jan 2011 10:45
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

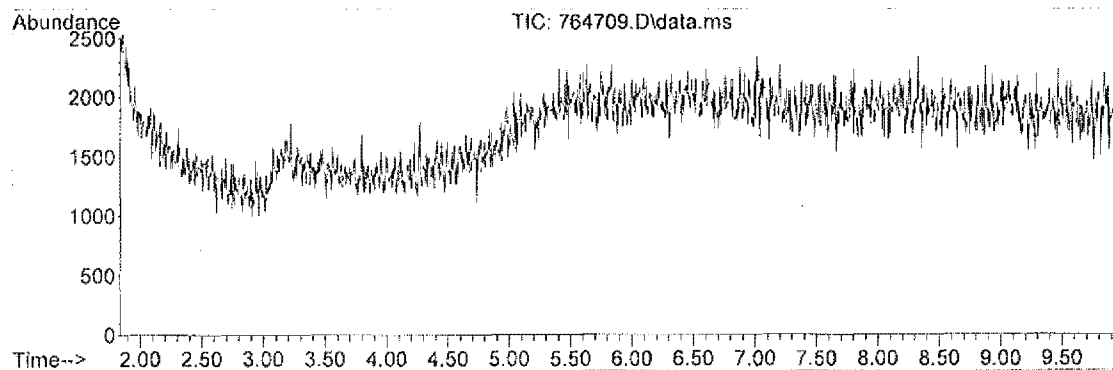
PK#	RT	Library/ID	CAS#	Qual
1	4.17	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

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 Date Acquired : 10 Jan 2011 11:24
 Sample Name : BLANK
 Submitted by : MGL
 Vial Number : 1
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

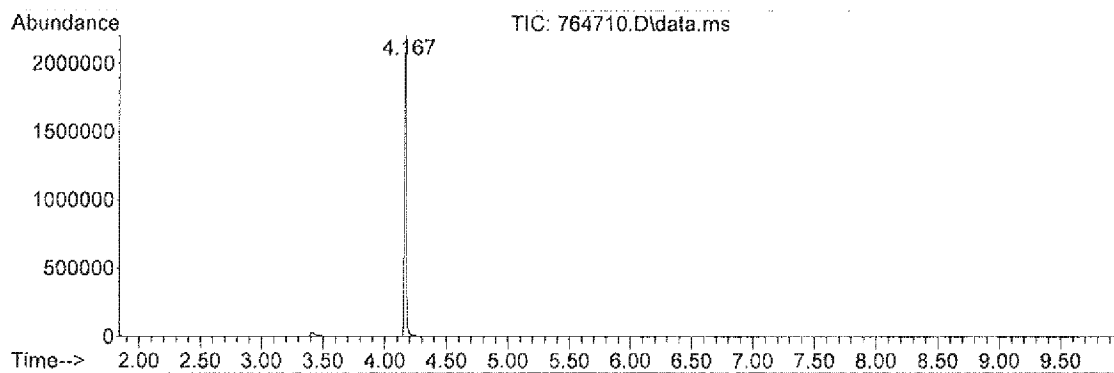


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01_10_11\764710.D
Operator : ASD/DJR
Date Acquired : 10 Jan 2011 11:37
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.167	2188694	100.00	100.00

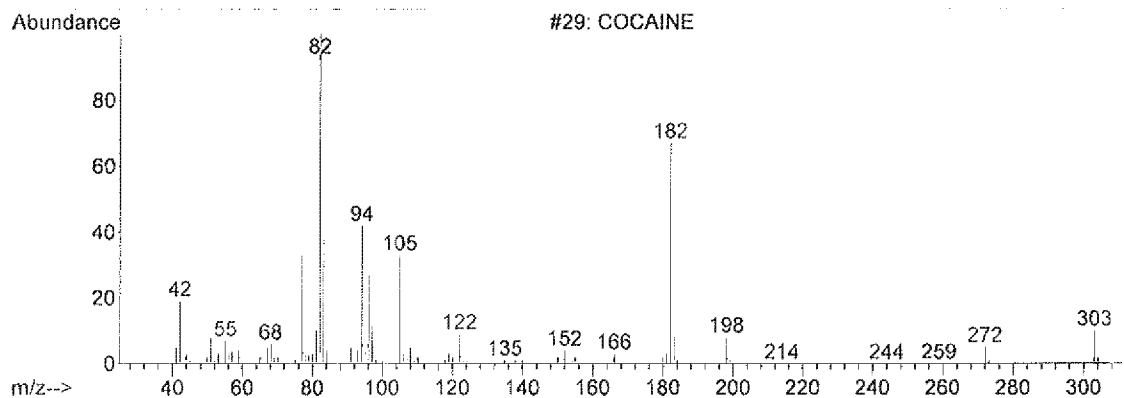
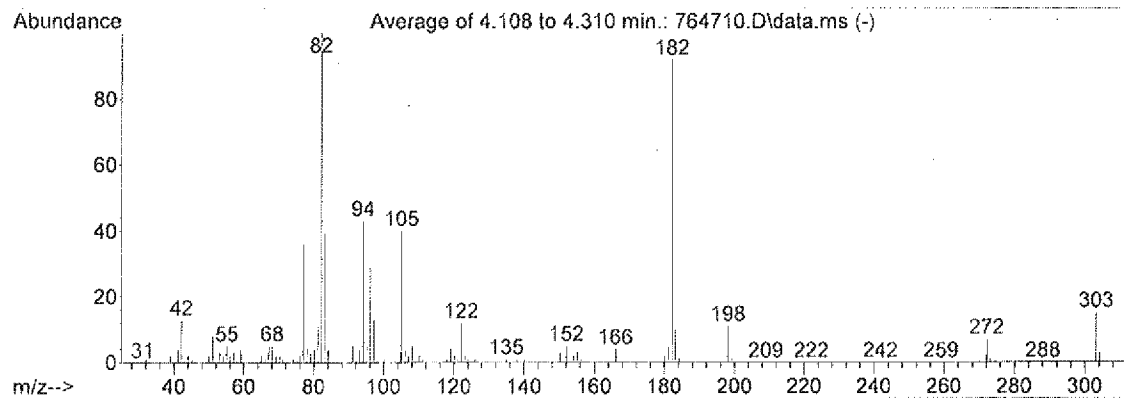
Area Percent / Library Search Report

Information from Data File:

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 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 10
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

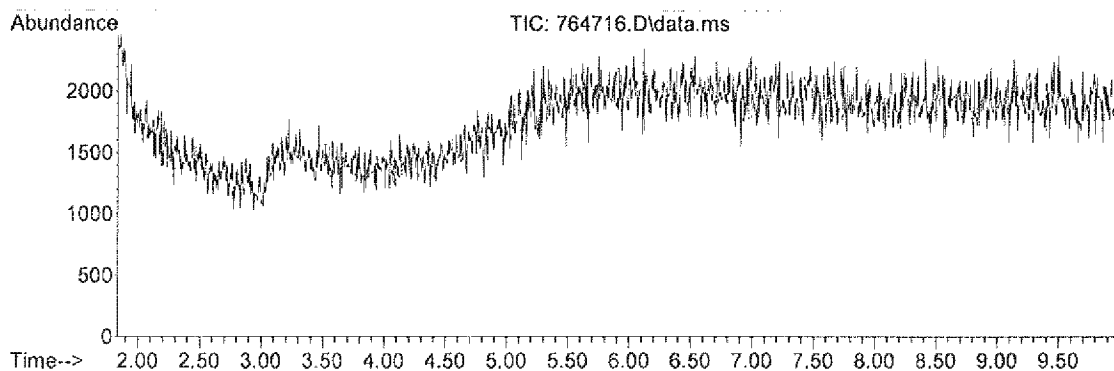
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.17	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

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Operator : ASD/DJR
Date Acquired : 10 Jan 2011 12:56
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

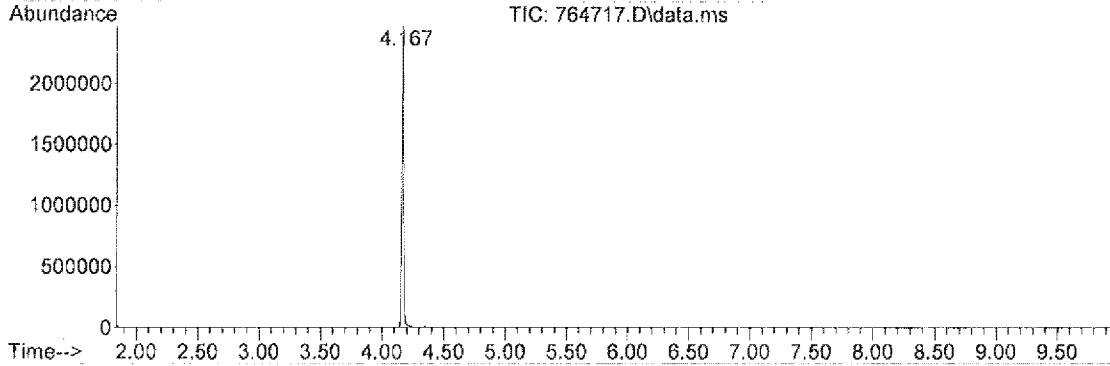


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

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 Operator : ASD/DJR
 Date Acquired : 10 Jan 2011 13:09
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.167	2436101	100.00	100.00

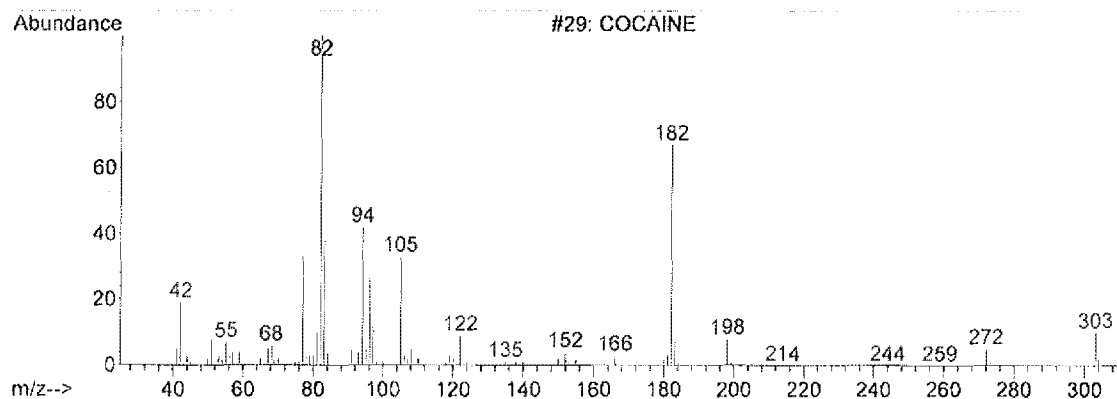
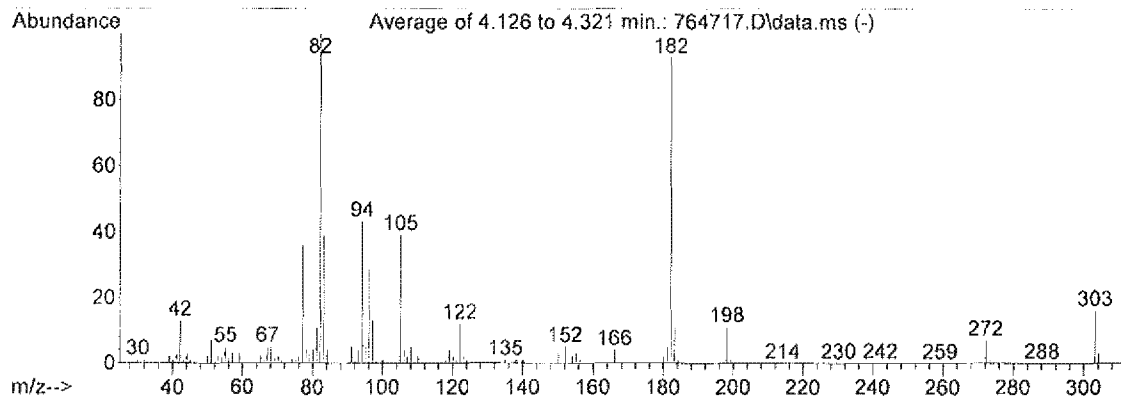
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01_10_11\764717.D
 Operator : ASD/DJR
 Date Acquired : 10 Jan 2011 13:09
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.17	C:\Database\SLI.L COCAINE	000050-36-2	99



Last page.....no further data